

NEBRASKA WEATHER & CROPS

For Week Ending September 12, 1993

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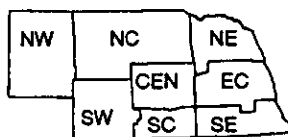
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Lincoln, NE 68501

National Agricultural Statistics Service
U.S. Department of Agriculture
and U.S. Department of Commerce
National Oceanic and Atmospheric Admin.
National Weather Service



NEBRASKA
AGRICULTURAL
STATISTICS
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Nebraska Department of Agriculture
Division of Agr'l. Statistics
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WEATHER

Temperatures across the State averaged from one to three degrees below normals. Light precipitation occurred the first part of the week with amounts varying from none up to over a half inch.

GENERAL

Weather conditions this past week aided row crop development and fieldwork for fall seeded crops, according to the Nebraska Agricultural Statistics Service. Producer activities included moving grain to elevators and other harvest preparation activities, cutting weeds, and harvesting silage. Fall crops continued to move toward maturity, but cooler than normal temperatures limited development. Concerns remain about fall crops reaching a frost safe point in maturity before the first damaging frost.

CROPS

All corn condition was rated at 2% poor, 21% fair, 67% good, and 10% excellent. Dryland fields were rated at 83% good or excellent. Irrigated fields were rated at 74% good or excellent. Fields reaching maturity were rated at 4%, compared with 7% last year and 37% for the five-year average. Silage harvest was underway across the State.

Soybean condition was rated at 18% fair, 66% good, and 16% excellent. Leaves were turning color about

CROPS (Cont.)

nine days behind normal. Fields with plants dropping leaves were rated at 4%, about two weeks behind normal.

Sorghum condition was rated at 1% poor, 46% fair, 47% good, and 6% excellent. The crop was about nine days behind normal in coloring with 57% colored to date. Less than 1% of the fields had reached maturity, about three weeks behind normal of 29%.

Dry bean condition was rated at 13% poor, 36% fair, 46% good, and 5% excellent. Reports indicate that hail, blight, and mold problems have affected quantity and quality of beans taken from those fields. Harvest made limited progress last week due to weather conditions and late maturing fields.

Wheat seeding progressed well last week with 20% sown by week's end. This compares with 23% last year and 20% for the five-year average.

Alfalfa condition was rated at 1% poor, 17% fair, 68% good, and 14% excellent. Third cutting activities progressed well with fourth cutting activities beginning.

LIVESTOCK

Pasture and range condition was rated at 102% of normal and compares with 100% of normal last year at this time. Cattle remain on pastures as moisture and cooler temperatures this year have provided more than adequate grazing potential in most areas.

FIELD WORK PROGRESS AS OF SEPTEMBER 12, 1993	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% corn dough stage	91	90	99	94	94	100	100	100	97	86	100	100
% corn dented	34	36	61	69	69	47	79	88	65	37	68	88
% corn mature	1	1	1	2	3	0	18	6	4	0	7	37
% sorghum turning color	0	35	53	59	58	67	69	54	57	26	43	77
% soybeans turning color	0	36	32	65	33	64	54	28	34	4	38	64
% soybeans dropping leaves	0	2	2	8	6	5	9	3	4	0	8	31
% dry beans turning	84	100	100	97	0	88	100	0	85	75	n/a	n/a
% dry beans dropping leaves	44	52	24	19	0	56	100	0	47	31	n/a	n/a
% dry beans harvested	8	5	0	6	0	18	0	0	11	10	n/a	n/a
% alfalfa third cutting	54	77	61	82	70	100	92	76	72	56	86	n/a
% alfalfa fourth cutting	0	4	1	4	3	26	14	7	5	0	10	n/a
% wheat sown	36	38	18	30	9	15	10	3	20	3	23	20
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF SEPTEMBER 11, 1993												
Days suitable	5.2	5.8	4.6	5.5	5.7	5.6	5.2	3.5	5.1	4.1	4.9	
Topsoil moisture - Short	18	8	0	11	4	14	8	0	8	3	10	
(Percent) - Adequate	82	84	80	89	96	86	69	94	84	82	80	
- Surplus	0	8	20	0	0	0	23	6	8	15	10	
Subsoil moisture - Short	12	0	0	0	4	0	0	0	3	0	3	
(Percent) - Adequate	88	92	75	78	80	100	61	88	81	88	89	
- Surplus	0	8	25	22	16	0	39	12	16	12	8	

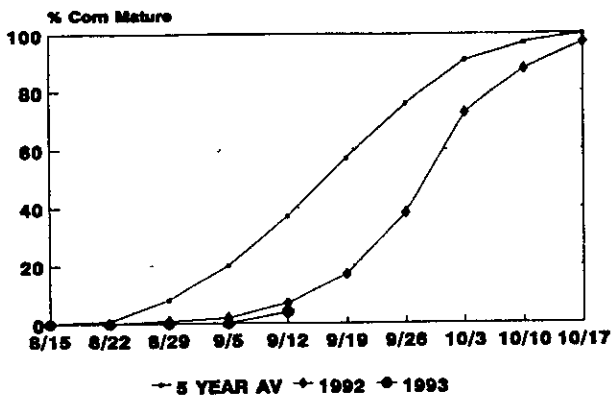
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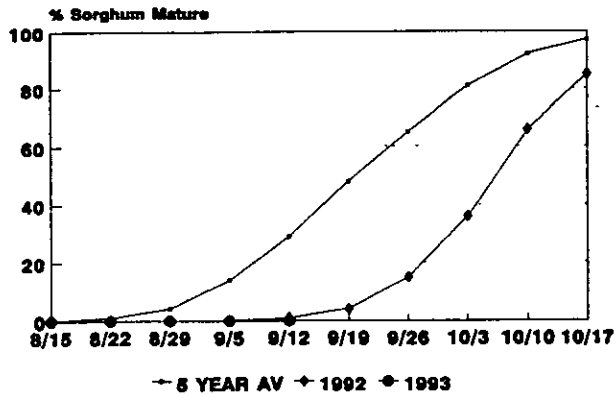
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CORN MATURE

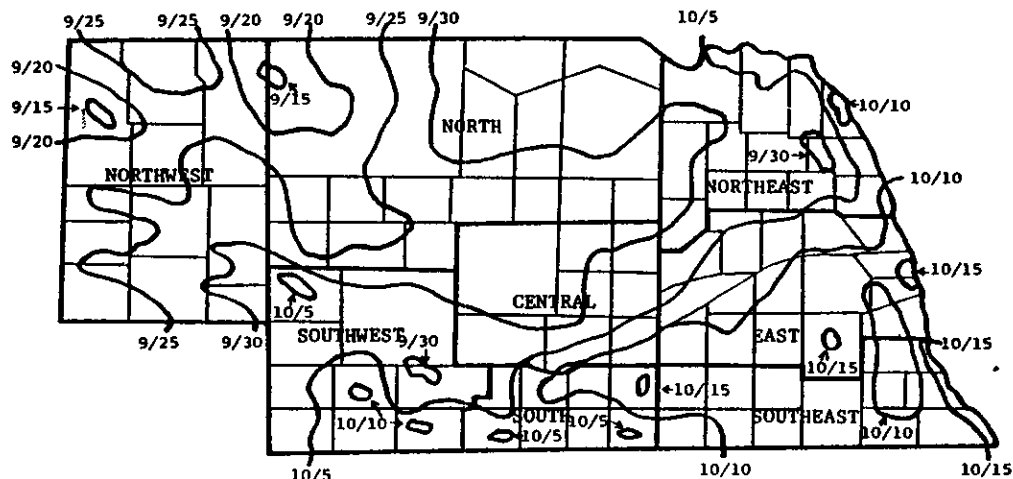


Progress as of Sunday

SORGHUM MATURE

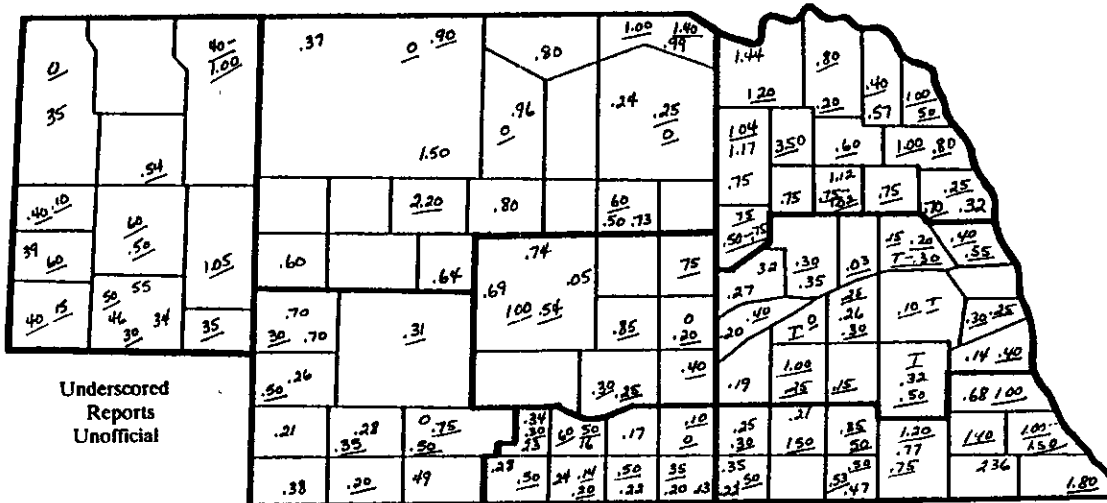
**Program 36 of Sunday**

NEBRASKA -- AVERAGE DATE OF FIRST 32°F TEMPERATURE IN FALL 1/



1/ Map based on data from the 50-year period 1921-1970.

PRECIPITATION MAP FOR WEEK ENDING FRIDAY, SEPTEMBER 10, 1993



PRECIPITATION, APRIL 1 - SEPTEMBER 10, 1993

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week42	.74	.87	.37	.26	.38	.22	.66
Total since April 1	13.04	20.95	27.14	25.14	30.71	19.70	28.59	33.02
Normal since April 1	12.31	15.20	17.62	16.48	19.00	13.82	16.76	19.93
Total as % of normal	105%	138%	154%	153%	162%	143%	171%	166%

**TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA,
WEEK ENDING SUNDAY, SEPTEMBER 12, 1993**

Station		Temperature				Precipitation	Growing Degree Data Since April 15		
		Extremes		Mean	Departure	Total Inches $\frac{1}{2}$	Last Week	Current	Normal
		Max	Min						
NW	Chadron	95	38	63	---	.03	---	---	---
	Scottsbluff	92	41	62	-2	.49	---	---	---
	Sidney	97	40	63	---	.19	2043	2135	2278
NC	Valentine	92	38	63	-1	.01	---	---	---
NE	Norfolk	92	44	64	-1	0	---	---	---
	Sioux City	89	45	63	-3	01	---	---	---
	Concord	---	---	---	---	---	2234	2326	2661
	Elgin	---	---	---	---	---	2205	2298	2606
	West Point*	---	---	---	---	---	2397	2494	2742
	Grand Island	93	44	64	-2	.20	---	---	---
CEN	Ord	92	39	63	---	0	2260	2354	2614
	Lincoln	92	45	65	-3	.03	---	---	---
EC	Omaha	90	48	65	-2	0	---	---	---
	Imperial	95	43	63	---	.24	---	---	---
SW	North Platte	95	40	62	-2	.31	**2144	**2236	**2547
SC	Holdrege	---	---	---	---	---	2428	2521	2779
SE	Beatrice	---	---	---	---	---	2623	2726	2885
	Clay Center	---	---	---	---	---	2464	2560	2837

1/ Precipitation totals not included in map above. * Automated weather station. ** North Platte Experiment Station.

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max. temp + min. temp divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln